

CLAIM AMENDMENTS

1. (Currently Amended) A method comprising:

requesting identification of a first object in association with a capture of an image,
the requesting made over at least two channels, including a channel adapted for use by
a cell phone and a channel adapted for use by a laptop computer;

receiving a first identifier, responsive to the requesting operation, the first
identifier identifying the first object in the image;

selecting, based on the first identifier, a subset sub-portion of a library of potential
matches, wherein the subset sub-portion is less than the library of potential matches,
and

identifying a second object that is shown in the image separately from the first
object using the selected subset sub-portion of the library potential matches, the second
object being identified by a second identifier that is different from the first identifier.

2. (Previously Presented) The method of claim 1 wherein the first object is
an active object, and the identifier of the active object is received from the active object.

3. (Previously Presented) The method of claim 1 wherein at least one of the
objects is a delegate object, and wherein the identifier of the delegate object is received
from another object.

4. (Original) The method of claim 1 further comprising:

capturing the image, wherein an image capture device performs the requesting, receiving, and capturing operations.

5. (Canceled)

6. (Original) The method of claim 1 further comprising:

extracting a model associated with the identifier from a model library.

7-9. (Canceled)

10. (Original) The method of claim 1 further comprising:

associatively storing with the image one or more parameters relating to the object identified in the image.

11. (Currently Amended) A ~~computer program product encoding a computer program~~ storage medium readable by a computer system, the storage medium encoding a computer program that when executed on ~~[[a]]~~ the computer system causes the computer system to perform a computer process, the computer process comprising:

requesting identification of a first object in association with a capture of an image;
receiving a first identifier, responsive to the requesting operation, the first identifier identifying the first object in the image;

selecting, based on the first identifier, a subset sub-portion of a library of potential matches, wherein the subset sub-portion is less than the library of potential matches, and wherein the sub-portion of the library includes a hierarchy of models, the hierarchy of models including a base model to roughly identify an object and specialized models to refine the rough identification; and

identifying a second object that is shown in the image separately from the first object using the selected subset sub-portion of potential matches, the second object being identified by a second identifier that is different from the first identifier.

12. (Currently Amended) The ~~computer program product~~ storage medium of claim 11 wherein the first object is an active object, and the identifier of the active object is received from the active object.

13. (Currently Amended) The ~~computer program product~~ storage medium of claim 11 wherein at least one of the objects is a delegate object, and wherein the identifier of the delegate object is received from another object.

14. (Currently Amended) The ~~computer-program-product~~ storage medium of claim 11 wherein the computer process further comprises:

capturing the image, wherein an image capture device performs the requesting, receiving, and capturing operations.

15. (Currently Amended) The ~~computer-program-product~~ storage medium of claim 11 wherein the computer process further comprises:

associating the identifier with the image.

16. (Currently Amended) The ~~computer-program-product~~ storage medium of claim 11 wherein the computer process further comprises:

extracting a model associated with the identifier from a model library.

17-19. (Canceled)

20. (Currently Amended) The ~~computer-program-product~~ storage medium of claim 11 wherein the computer process further comprises:

associatively storing with the image one or more parameters relating to the object identified in the image.

21. (Currently Amended) A system comprising:

a processor;

a memory coupled to the processor;

a signaling module coupled to a digital capture device and configured to request identification of a first object in association with a capture of an image; the signaling module further configured to receive a first identifier identifying the first object in the image, responsive to requesting identification;

an identifying module configured to select, based on the first identifier, a ~~subset~~ sub-portion of a library of potential matches, the sub-portion of the library including a hierarchy of models, the hierarchy of models including a base model to roughly identify an object and specialized models to refine the rough identification of the object, the sub-portion being ~~wherein the subset is~~ less than the library of potential matches, and to identify a second object that is shown in the image separately from the first object using the selected ~~subset~~ sub-portion of potential matches, the second object being identified by a second identifier that is different from the first identifier.

22. (Previously Presented) The system of claim 21 wherein the first object is an active object, and the identifier of the active object is received from the active object.

23. (Previously Presented) The system of claim 21 wherein at least one of the objects is a delegate object, and wherein the identifier of the delegate object is received from another object.

24. (Previously Presented) The system of claim 21 further comprising:

an image capture module configured to capture the image.

25. (Previously Presented) The system of claim 21 further comprising:

a registration module configured to associate the identifier with the image.

26. (Previously Presented) The system of claim 21 further comprising:

a model extractor configured to extract a model associated with the identifier
from a model library.

27. (Previously Presented) The system of claim 21 further comprising:

a model extractor configured to extract a model associated with the identifier
from a model library; and

an object matching module configured to evaluate the image using the model to
determine whether the object is in the image.

28-29. (Cancelled)

30. (Previously Presented) The system of claim 21 further comprising:

an image storage module configured to associatively store with the image one or
more parameters relating to the object identified in the image.

31. – 36. (Canceled)

37. (Currently Amended) The method of Claim 1, wherein the first object does not identify the second object and wherein the selected ~~subset~~ sub-portion of potential matches refers to objects that are not components of the first object.

38. (Previously Presented) The method of Claim 1, wherein the library of potential matches comprises visual image models, and the identifying the second object comprises comparing the visual image models with the captured image to identify the second object.

39. (Currently Amended) The ~~computer-program-product~~ storage medium of Claim 11, wherein the first object does not identify the second object and wherein the selected ~~subset~~ sub-portion of potential matches refers to objects that are not components of the first object.

40. (Previously Presented) The ~~computer-program-product~~ storage medium of Claim 11, wherein the library of potential matches comprises visual image models, and the identifying the second object comprises comparing the visual image models with the captured image to identify the second object.

41. (Currently Amended) The system of Claim 21, wherein the first object does not identify the second object and wherein the selected ~~subset~~ sub-portion of potential matches refers to objects that are not components of the first object.

42. (Previously Presented) The system of Claim 21, wherein the library of potential matches comprises visual image models, and the identifying module is configured to identify the second object by comparing the visual image models with the captured image.

43. (New) A method comprising:

capturing an image;

transmitting a request for identification, the transmitting made over at least two channels, the at least two channels being different channels;

receiving, in response to the request for identification, a response from two or more objects, including a response from at least one object not actually in the image;

extracting, from a model datastore, models associated with the response, the extracting including relevant models and excluding other models;

evaluating the image, using the extracted relevant models, to determine objects within the image; and

annotating the image with parameters for objects found in the image.

44. (New) The method of claim 43, wherein the image is a video image and wherein the transmitting of the request is performed in response to a significant scene change in the image.

45. (New) The method of claim 43, wherein extracting relevant models comprises extracting only models related to indoor objects or extracting only models related to outdoor objects.

46. (New) The method of claim 43, wherein extracting relevant models comprises extracting a hierarchy of models, the hierarchy of models including a base model to roughly identify an object and specialized models to refine the rough identification.

47. (New) The method of claim 43, wherein extracting models includes extracting parameterized models, the parameterized models distinguishing an open laptop from a closed laptop.

48. (New) The method of claim 43, wherein extracting relevant models comprises extracting a sub-portion of models from the model datastore based on brand of manufacturer.

49. (New) A method comprising:

capturing an image;

transmitting a request for identification, the transmitting made over at least two channels, including a channel adapted for use by a cell phone and a channel adapted for use by a laptop computer;

receiving, in response to the request for identification, a response from two or more objects, including a response from at least one object not actually in the image;

extracting, from a model datastore, models associated with the response, the extracting including relevant models and excluding non-relevant models, the extracting including:

extracting only models related to indoor objects or extracting only models related to outdoor objects;

extracting a hierarchy of models, the hierarchy of models including a base model to roughly identify an object and specialized models to refine the rough identification;

extracting parameterized models, the parameterized models distinguishing an open laptop from a closed laptop; and

extracting a sub-portion of models from the model datastore based on brand of manufacturer; and

evaluating the image, using the extracted relevant models, to determine objects within the image.

50. (New) The method of claim 49, wherein the image is a video image and wherein the transmitting of the request is in response to a significant scene change in the image.

51. (New) The method of claim 1, wherein a first channel of the at least two channels is adapted for use by a cell phone and a second channel of the at least two channels is adapted for use by a laptop computer.